

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/050484

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01J31/22 C08F10/02 C08F4/70

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01J C08F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 066 394 A (METALLGESELLSCHAFT AG) 6 August 1971 (1971-08-06) page 1, line 25 - page 2, line 3 page 4, line 5 - line 30 claims 10,11; examples 1,2,6	9
Y	ROSCOE S B ET AL: "Polyolefin Spheres from Metallocenes Supported on Noninteracting Polystyrene" SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, US, vol. 280, 10 April 1998 (1998-04-10), pages 270-273, XP002253630 ISSN: 0036-8075 cited in the application the whole document ----- -/--	1-8

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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- * & * document member of the same patent family

Date of the actual completion of the international search

21 July 2004

Date of mailing of the international search report

02/08/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 955 555 A (BENNETT ALISON MARGARET ANNE) 21 September 1999 (1999-09-21) column 8, line 1 - column 12, line 51; examples 43-46	1-8
Y	----- US 6 489 497 B1 (BROOKHART III MAURICE S ET AL) 3 December 2002 (2002-12-03) column 1, line 41 - column 2, line 40 column 14, line 58 - column 15, line 9; examples 1-23	1-7
Y	----- SMALL B L ET AL: "IRON-BASED CATALYSTS WITH EXCEPTIONALLY HIGH ACTIVITIES AND SELECTIVITIES FOR OLIGOMERIZATION OF ETHYLENE TO LINEAR ALPHA-OLEFINS" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 120, 1998, pages 7143-7144, XP002934373 ISSN: 0002-7863 cited in the application the whole document	1-7

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International Application No
PCT/EP2004/050484

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 2066394	A	06-08-1971	DE 1953399 A1 BE 757985 A1 FR 2066394 A5	06-05-1971 01-04-1971 06-08-1971
US 5955555	A	21-09-1999	US 6214761 B1 US 6432862 B1 US 2002013431 A1 US 2001000519 A1 AT 213748 T AU 735653 B2 AU 5711098 A BR 9714219 A CA 2270243 A1 DE 69710776 D1 DE 69710776 T2 EA 2981 B1 EP 1127897 A2 EP 0946609 A1 HU 0000031 A2 ID 21656 A JP 3296496 B2 JP 2000516295 T JP 2002302510 A KR 2000057604 A NO 992930 A PL 334300 A1 TR 9901352 T2 WO 9827124 A1	10-04-2001 13-08-2002 31-01-2002 26-04-2001 15-03-2002 12-07-2001 15-07-1998 18-04-2000 25-06-1998 04-04-2002 12-09-2002 26-12-2002 29-08-2001 06-10-1999 28-05-2000 08-07-1999 02-07-2002 05-12-2000 18-10-2002 25-09-2000 10-08-1999 14-02-2000 21-10-1999 25-06-1998
US 6489497	B1	03-12-2002	US 6103946 A US 2003036615 A1 US 2003050494 A1 AT 231830 T AU 748033 B2 AU 8569098 A BR 9810587 A CA 2296446 A1 CN 1110467 B DE 69811077 D1 DE 69811077 T2 EP 0994831 A1 HU 0003363 A2 ID 24095 A JP 2002515917 T NO 20000120 A PL 338145 A1 TR 200000004 T2 WO 9902472 A1 US 2003070188 A1	15-08-2000 20-02-2003 13-03-2003 15-02-2003 30-05-2002 08-02-1999 05-09-2000 21-01-1999 04-06-2003 06-03-2003 06-11-2003 26-04-2000 28-02-2001 06-07-2000 28-05-2002 10-01-2000 25-09-2000 22-05-2000 21-01-1999 10-04-2003